

Title (en)

CENTRIFUGAL FAN, AND AIR CONDITIONER PROVIDED WITH CENTRIFUGAL FAN

Title (de)

ZENTRIFUGALGEBLÄSE UND MIT DEM ZENTRIFUGALGEBLÄSE AUSGESTATTETE KLIMAAANLAGE

Title (fr)

VENTILATEUR CENTRIFUGE, ET CLIMATISEUR COMPORTANT UN VENTILATEUR CENTRIFUGE

Publication

EP 3406911 B1 20230419 (EN)

Application

EP 17741323 A 20170113

Priority

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Abstract (en)

[origin: EP3406911A1] Provided are a centrifugal fan which exhibits excellent reliability while restraining an increase in cost, and an air conditioner provided with such a centrifugal fan. A centrifugal fan (4) in an air conditioning indoor unit (1) includes a main plate (60) and a plurality of blades (70). The main plate (60) is molded from resin using a molding die. The main plate (60) is annular when viewed from the direction of the rotational axis (O). The plurality of blades (70) is coupled to a blade-side main plate surface (63) of the main plate (60). The plurality of blades (70) is annularly disposed around the rotational axis (O). The main plate (60) includes a plurality of gates (68) and a plurality of flow leaders (69). The gates (68) are sections into which the resin is injected during molding. The flow leaders (69) are sections which function as flow paths for the resin injected into the corresponding gates (68). Each of the flow leaders (69) extends from the corresponding gate (68) to a central part of the nearest blade (70) when viewed from the direction of the rotational axis (O).

IPC 8 full level

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